

Notice of Allowability

Application No.

09/780,534

Examiner

HUY T. NGUYEN

Applicant(s)

KOSHINO ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 16 January 2007 and Examiner's amendment.
2. ☒ The allowed claim(s) is/are 17-24 being renumbered as 1-8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20070329.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Louis Sickles II on 28 March , 2007.

The application has been amended as follows:

In claims :

17. (Currently amended) A data recording, editing and reproducing method for recording, editing and reproducing video and/or audio data (DV data) in the DV format, said method comprising the steps of:

receiving DV data through an IEEE 1394 Interface;

temporarily storing the received DV data into a DV data storage region of a buffer memory;

separating and reading out audio data and/or video data from the DV data stored in the DV storage region of the buffer memory and writing the read out audio data and/or video data into audio and/or video data storage regions of the buffer memory;

recording the DV data stored in the DV storage region of the buffer memory into a DV storage region of a disc means;

recording the audio and/or video data stored in the audio and/or video data storage regions of the buffer memory into audio and/or video storage regions of the disc means;

transmitting post recording audio and/or video data into the post recording data storage region on the buffer memory;

recording the post-recording audio or video data stored in the post-recording audio or video data region of the buffer memory into post-recording audio or video data regions of the disc means;

editing the audio and/or video data stored in the audio and/or video data storage regions of the disc means by replacing [these] the audio data and/or video data by the post-recording audio and/or video data stored in the disc means, and

reproducing the edited audio and/or video data on the disc means by storing [these] the edited audio data and/or video data and the DV data on the disc means into the respective data storage regions of the buffer memory, multiplexing [these] the stored audio and/or video data with [these] the stored DV data and sending out [these] multiplexed audio and/or video data and DV data as DV data.

24. (Currently amended) A data. recording editing and reproducing device for recording, editing and reproducing video and/or audio data (DV data) in the DV format, said device comprising:

[An] an IEEE 1394 interface circuit (12) for sending and receiving DV data;

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a buffer memory (13) for temporarily storing data into a DV data storage region, an audio and/or video data storage region, and a post recording data storage region;

a disc means (15) for recording data into a DV data storage region, an audio and/or video data storage region, and a post recording data storage region;

an insert data generation circuit (20) for providing audio data and/or video data to be inserted into the DV data;

a data recording and reproduction circuit (16,18) for carrying out writing in and reading out data with respect to the disc means (15); and

a separation and multiplexing block (17, 111,161) for separating audio and/or video data from DV data at the time of recording, and multiplexing audio and/or video data with respect to DV-data at the time of reproduction; wherein for recording, reproducing and editing DV data received from the interface circuit (12):

[- The] the DV data sent by the interface circuit (12) being stored into the DV storage region of the buffer memory (13) as they are,

[-] the separation and multiplexing block (17,111,161) reading out audio data and/or video data from the DV data stored in the DV storage region of the buffer memory (13) and writing the audio and/or video data into the audio and/or video data storage regions of the buffer memory (13),

[-] the insert data generation data providing circuit (20) transmitting post recording audio and/or video data into the post recording data storage region on the buffer memory (13),

[...] the data recording and reproduction circuit (18) recording the DV data stored in the DV storage region of the buffer memory (13) into the DV storage region of the disc means (15), the audio and/or video data stored in the audio and/or video data storage regions of the buffer memory (13) and the post recording audio or video data stored in the post-recording audio or video data region of the buffer memory (13) into the audio and/or video storage regions and the post-recording audio or video data regions of the disc means (15); wherein for editing purposes audio and/or video data stored in the audio and/or video data storage regions of the disc means (15) are replaced by post-recording audio or video data stored in the disc means (15), and wherein the edited audio and/or video data on the disc means (15) are reproduced by storing [them] the edited audio and/or video data and the DV data on the disc means (15) into the respective data storage regions of the buffer memory (13), by multiplexing these audio and/or video data with [these] the DV data on the disc means by means of the separation and multiplexing block (17, 111, 161) and sending [them] the multiplexed audio and/or video data and the DV data to the interface circuit (12) as DV data.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUY T. NGUYEN whose telephone number is (571) 272-7378. The examiner can normally be reached on 8:30AM -6:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on (571) 272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

H.N

HUY NGUYEN
PATENT EXAMINER